

CERTIFICATE

(1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 08ATEX0048** Issue Number: **4**

(4) Equipment: **Personal Gas Monitor Model GX-2009**

(5) Manufacturer: **Riken Keiki Co.,Ltd**

(6) Address: **2-7-6, Azusawa, Itabashi-ku, Tokyo 174-8744, Japan**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report number NL/KEM/EXTR08.0016/04.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2012
EN 60079-26 : 2007

EN 60079-11 : 2012
EN 50303 : 2000

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 1G Ex ia IIC T4 Ga
I M1 Ex ia I Ma

This certificate is issued on 20 December 2013 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.


R. Schuller

Certification Manager

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Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 08ATEX0048**

Issue No. 4

(15) **Description**

The Personal Gas Monitor Model GX-2009 is a gas monitor designed to provide continuous monitoring of exposure to combustible gas, Oxygen (O₂), carbon monoxide (CO) and hydrogen sulfide (H₂S) in hazardous areas.

Alternatively, the GX-2009 can be used as a data logger, equipped without the gas detectors.

Ambient temperature range for use -20 °C to +50 °C.

Ambient temperature range during charging 0 °C to +40 °C.

Additional information

The performance of the Personal Gas Monitor Model GX-2009, as a safety device, is not covered by this certificate.

Electrical data

Supply: two series connected NiMH cells type BPH-2009.

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. NL/KEM/ExTR08.0016/04.

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/KEM/ExTR08.0016/04.